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SUBJECT Domestic and Foreign Built Rolling Mills in the USSR

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THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES, WITHIN THE MEANING OF TITLE 18, SECTIONS 793 AND 794, OF THE U.S. CODE, AS AMENDED. ITS TRANSMISSION OR REVELATION PROMISES

THIS IS UNEVALUATED INFORMATION

1. Below is a list of rolling mills in the USSR

Dzerzhinsky Blooming Mill, about 1150 mm

Krivorozhsky Blooming Mill, about 1150 mm

Novo-Tagilsky Blooming Mill, about 1150 mm

Magnitogorsky Blooming Mill

Kuznetsky Blooming Mill

Slabing Zaporozhstal', about 1100 mm

Continuous Thin-Sheet Rolling Mill, Zaporozhstal

Rail-Structural Rolling Mill, Novo-Tagliskogo Zavoda

Blooming Mill, about 1150 mm, Novo-Tagil'skogo Metallurgicheskogo Zavoda.

Tin Plate Rolling Mill, Novo-Moskovskogo Zavoda

Tube Rolling Mill, Mariupolskogo Metallurgicheskogo Zavoda

Tube Rolling Mill, Taganrogskogo Trubnogo (Tube) Zavoda

Tube Rolling Mill Zavoda, former imeni Petrovskogo in Dnepropetrovsk

Zakavkazsky Blooming Mill, about 1000 mm

Bakinsky Blooming Mill, about 1000 mm

Orsky Blooming Mill, about 1000 mm

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Chelyabinsky Blooming Mill, about 1000 mm
 Uzbeksky Blooming Mill, about 1000 mm
 Blooming Mill, Izhorskogo Zavoda
 Rail-Structural Rolling Mill of Metallurgical Plant in Stalino
 Medium-Section Rolling Mill of Electrostal Plant
 Small-Section Rolling Mill of Electrostal Plant
 Medium-Section Rolling Mill of "Serp i Molot" Plant in Moscow
 Small-Section Rolling Mill of "Serp i Molot" Plant in Moscow
 Small-Section Rolling Mill of "Zavoda imeni Kuibysheva" in Kramatorsk
 Rod-Rolling Mill of "Zavoda imeni Kuibysheva" in Kramatorsk
 Rail-Structural Rolling Mill of Azovstal Plant (Has not been finished)
 Continuous-Strip Rolling Mill (was manufactured by F K M Z)
 Tube Rolling Mill "Shtifel"-type (Zs K B M M project) - three mills
 "Amurstal" Plant, including Tin Plate Rolling Mill and Sheet Rolling Mill
 Mill (three-high ?) for rolling non-ferrous metals of # 257 (?) Plant in Orsk
 Rolling Mill Mesta (USA) of Novosibirsk Plant
 Blooming Mill made in USA - Mariupol Harbor (sic)
 Mill for rolling watch coil steel
 Cold Tube Rolling Mill
 Experimental Mill Zs K B M M for rolling balls, bullets etc
 Experimental Mill for rolling pinions
 Three-High Rolling Mill, about 800 mm, of Elezsky Metallurgical Plant
 Metallurgical Plant "Krasny Oktyabr" in Stalingrad
 Alma-Atinsky Blooming Mill, about 1000 mm

2. Below is a list of all rolling mills built in the USSR since 1930 with place and date of manufacture, production capacity in tons per year, and place of installation.

Name of Rolling Mill	Place of Mfg	Date of Mfg	Production Capacity-tons per yr	Place of Installation
Dzerzhinsky Blooming Mill, about 1150 mm	Izhorsky	1932	1,300,000 (approx)	Dzerzhinsky Zavod(?)
Krivorozhsky Blooming Mill, about 1150 mm	S K M Z	1934	1,300,000 (approx)	Novo-Tagilsky Metallurgichesky Zavod
Slabbing Zaporozhstal about 1200 mm	F K M Z	1937	1,300,000 (approx)	Zaporozhstal
Blooming Mill, about 900 mm (This is the blooming roll of the Rail-Structural Mill in the Azovstal Plant)	F K M Z	1940 (approx)	800,000 (approx)	Novo-Tagilsky Metallurgichesky Zavod

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<u>Name of Rolling Mill</u>	<u>Place of Mfg</u>	<u>Date of Mfg</u>	<u>Production Capacity-cons per yr</u>	<u>Place of Installation</u>
Blooming Mill, about 1000 mm, Zakavkazsky	Plants of Ministry of Heavy Machine-Building	1948 (approx)	900,000 (approx)	Near Tbilisi
Blooming Mill, about 1000 mm, Chelyabinsky	"	1948 (approx)	900,000 (approx)	Near Chelyabinsk
Blooming Mill, about 1000 mm, Orsky	"	1949 (approx)	900,000 (approx)	Near Orsk
Blooming Mill, about 1000 mm, Bakinsky	"	1950 (approx)	900,000 (approx)	Near Baku
Blooming Mill, about 1000 mm, Uzbeksky	"	Unknown	900,000 (approx)	Unknown
Blooming Mill, about 1000 mm, Alma-Atinsky	"	Unknown	900,000 (approx)	Unknown
"Shtifel" Tube-Rolling Mill " projected and designed by Zs K B M M in 1947 - consists of three mills		Unknown	Unknown	Up to the present time at least one of the mills must have begun to operate. Place of installation is unknown
Mill for rolling watch coil steel - projected and designed by Zs K B M M in 1946 - consists of three mills	S K M Z	Unknown	Unknown	Up to the present time at least one of the mills must have begun to operate - Place of installation is unknown
Cold Tube-rolling Mill US or Swedish drawings were used by Zs K B M M in 1946 - consists of two or three mills	S K M Z	Unknown	Unknown	Up to the present time at least one of the mills must have begun to operate - Place of installation is unknown
Experimental Mill for rolling profiles of changeable cross sections. Project was made under the direction of Prof Zselikov in about 1944	Zs N I I T M A Sh workshops and co-operative	Unknown	Unknown	Was working in 1946 producing some experimental objects. Installed in the Rolling Mill Laboratory of Zs K B M M.
Experimental Mill for rolling pinions projected in 1947 by Zs K B M M	Zs N I I T M A Sh workshops and co-operative	Unknown	Unknown	Up to the present time it must have begun to operate, was installed in Rolling Mill Laboratory of Zs K B M M

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<u>Name of Rolling Mill</u>	<u>Place of Mfg</u>	<u>Date of Mfg</u>	<u>Production Capacity- tons per yr</u>	<u>Place of Installation</u>
Novomoskovsky Tin Plate Rolling Mill	N K M Z	Unknown	Unknown	Up to the present time it must have begun to operate. Place of installation is unknown
<p>Note: Productive capacity per year of the first three items may be considered a bit higher than shown here</p>				
Eletsy Metallurgicheskyy Zavod, Three-High Rolling Mill about 800 mm	- -	Unknown	Unknown	Reconstructed. Started to operate in 1946 in Metallurgical Plant in Eletsy
Izhorsky Blooming Mill	Unknown	Unknown	Unknown	Izhorsky Zavod (Kolpino?)

3. The following is a list of all foreign built rolling mills in the USSR which are known to us, listing the firm-contractor, year of delivery, production capacity in tons per year, and location of the mill.

<u>Name of Rolling Mill</u>	<u>Firm-Contractor</u>	<u>Date of Delivery</u>	<u>Production Capacity- tons per yr</u>	<u>Location of Mill</u>
Continuous Thin-Sheet Rolling Mill in Zaporozhstal	United Engineering and Foundry Co	1936 (approx)	- - -	Zaporozhstal Plant in Zaporozhe
Magnitogorsky Blooming Mill - approximately 1150 mm - 1200 mm	Sack or Schleumann (?)	- - -	1,600,000 (approx)	Metallurgical Plant in Magnitogorsk
Kuznetsky Blooming Mill - approximately 1150-1200 mm	"	- - -	1,600,000 (approx)	Metallurgical Plant in Kuznetsk
Rail-Structural Rolling Mill, Kuznotskogo Zavoda	"	- - -	Unknown	Metallurgical Plant in Kuznetsk
Rail-Structural Rolling Mill, Magnitogorskogo Zavoda	"	- - -	Unknown	Metallurgical Plant in Magnitogorsk
Mill for rolling non-ferrous metals (three high?) Note: This mill was received by engineer I.I. Kushnir in about 1939 and was installed in Orsk in 1941	USA	- - -	Unknown	Plant #257 (?) in Orsk
Rolling Mill which was in the process of being installed at the end of 1941 and the first half of 1942		- - -	Unknown	Near Novosibirsk
There was a Blooming Mill in Mariupol Harbor in 1946 which had a Farwell lubricating system	USA	- - -	Unknown	Unknown

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